

LAND APPLICATION SITE CHARLES E GREGORY SITE DWCEG 1-7 DINWIDDIE COUNTY

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

PART D-VI:	LAND	APPLICATION	AGREEMENT	- BIOSOLIDS	AND INDUSTRIAL	DECIDITALO
			AGVETMENT	- מטמטום -		

remains in effect until it is the Landowner in the ever individual parcels identified	terminated in writing by a tof a sale of one or more d in this agreement chan	, referred to here as the " either party or, with respect to a parcels, until ownership of	ARIES GREGORY referred to Permittee". This agreement of those parcels that are retained by all parcels changes. If ownership of ownership has changed will not be ment.
Landowner: The Landowner is the own	er of record of the real o		Viantata 1111 111
Table 1.: Parcels au	thorized to receive bioso	lids, water treatment residua	ls or other industrial sludges
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
Tm 25-4, P12.			
TM25-4, P13			
Tm 25-4, P14			
Additional parcels containing Land			
Additional parcels containing Lar			
Check one: ☐ Th	e Landowner is the sole e Landowner is one of m	owner of the properties ident aultiple owners of the properti	ified herein. es identified herein
Notify the purchase later than the date Notify the Permittee The Landowner has no other notify the Permittee immediate.	er or transferee of the apport of the property transfer; and of the property transfer; are of the sale within two were agreements for land and attely if conditions changed	cation, the Landowner shall: blicable public access and crand eeks following property trans	ied herein. The Landowner will
The Landowner hereby grand agricultural sites identified a sinspections on the land identified by the land identified a sinspections on the land identified by	noove and in Exhibit A. Intified above, before, during the policy of the property of the prope	mittee to land apply residuals the Landowner also grants peng or after land application of equirements applicable to sure application of Eood processing waste 図 Yes □ No	ermission for DEQ staff to conduct
CHARLES CRECOR Landowner - Printed Name, Title	Chals Suy	8881 Hab	65 milled wilson Ve 23894
Permittee: Recyc Systems, Inc., the F	Permittee, agrees to apply b	iosolids and/or industrial residua	Mailing Address & Phone Number als on the Landowner's land in the
The Permittee agrees to notify	the Landowner or the Lando	wher's designee of the propose	d schedule for land application and the source of residuals to be applied.
☐ I reviewed the document(s) a document(s) available to DEQ f	assigning signatory authority	to the nerson signing for landor	Mac above I will make a second the
	. RD		Remington, Virginia 22734
Permittee - Authorized Represent	tative Signature	1 0 000 002 1	Mailing Address

Rev 9/14/2012

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

D	:44	Recyc System	ns Inc	County or City: DINWIDDIE
	ittee: owner:	(HAR)ES	GREGORY	
	,		_	
			ent Requirements	
applic	ation of t	piosolids, the compo	nents of biosolids and f	Sheet that includes information regarding regulations governing the land proper handling and land application of biosolids.
identif	fied belov	v must be complied insible for the imple	with after biosolids hav mentation of these prac	the site management requirements and site access restrictions re been applied on my property in order to protect public health, and citices.
l agre biosol	lids at the	site:		tices at each site under my ownership following the land application of
1.	Notifical biosolid complet	s land application s	t remove any signs post ite, unless requested by	ted by the Permittee for the purpose of identifying my field as a y the Permittee, until at least 30 days after land application at that site i
2.	Public A	Public access to la	and with a high potentia	I for public exposure shall be restricted for at least one year following
	b.	application of bios same period of tin	and with a low potential olids. No biosolids ame unless adequate pro	for public exposure shall be restricted for at least 30 days following an ended soil shall be excavated or removed from the site during this visions are made to prevent public exposure to soil, dusts or aerosols; pplied shall not be harvested for one year after application of biosolids
	C.	Turf grown on land when the harveste otherwise specifie	ed turf is placed on eithe	er land with a high potential for public exposure or a lawn, unless
3.	Crop Ro a. b.	not be harvested	for 14 months after the	be surface of the land shall not be narvested for 20 months after the
	c.	months prior to in Food crops with h	corporation into the soil arvested parts below the on the land surface for a	ne surface of the land shall not be harvested for 38 months when the land shall not be harvested for 38 months when the
	d. e.	Other ford oroso	and fibor grone shall no	be harvested for 30 days after the application of biosolids; days after the application of biosolids (60 days if fed to lactating dairy
4.	Fo a. h	Meat producing li	plication to pasture or h	azed for 30 days, ed for a minimum of 60 days.
5.	applica develor	tions such that the bed by a person cer	total crop needs for nuti tified in accordance wit	olications will be coordinated with the biosolids and industrial residuals rients are not exceeded as identified in the nutrient management plan h §10.1-104.2 of the Code of Virginia;
6.	vears f	to, because it has bollowing the applications in the second second control to the second second control to the	ition of biosolids or indu	ate cadmium, should not be grown on the Landowner's land for three istrial residuals which bear cadmium equal to or exceeding 0.45
1	2/./.	<i>b</i> —		WOU 14 2012 Date
	Landov	yner's Signature		Date
				8881 Holls Mill Rd
,		9,		uils on Va 23894 Mailing Address & Phone Number
	Farm (Dperator Signature		Mailing Address & Phone Number

m. 044.49040

804 731 4327

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

I MILL D'AL LAND AFFLIGATION AGREEMENT - DRISOTUS AND INDICATRIAL RESIDIO	MENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS	ART D-VI: LAND APPLICATION AGREEME	PART D-VI:
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here as "Landowner", and remains in effect until it is to the Landowner in the even individual parcels identified	Recyc Systems, Inc erminated in writing by ei t of a sale of one or more I in this agreement chang	, referred to here as the "F ither party or, with respect to e parcels, until ownership of a	those parcels that are retained by all parcels changes. If ownership of ownership has changed will no
Landowner: The Landowner is the owner the agricultural, silvicultural attached as Exhibit A.	er of record of the real prolonger of reclamation sites ider	operty located in <u>Drywwเกร</u> ntified below in Table 1 and id	OIÉ, Virginia, which includes dentified on the tax map(s)
Table 1.: Parcels aut	horized to receive biosol	ids, water treatment residuals	s or other industrial sludges
<u>Tax Parcel ID</u>	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
TM 25-4, P12			
TM 25-4, P13	· · · · · · · · · · · · · · · · · · ·	!	
TM 25-4, P14	!		
Additional agents agents in the			
Additional parcels containing Lan			
		owner of the properties identi ultiple owners of the propertion	
within 38 months of the late 1. Notify the purchase later than the date of the later than the date of the landowner has no other landowner landowne	est date of biosolids applicer or transferee of the applicer of the property transfer; are of the sale within two wells agreements for land applicable.	cation, the Landowner shall: olicable public access and cro and eeks following property trans	ied herein. The Landowner will
notify the Permittee immedi	ately if conditions change	e such that the fields are no lost invalid or the information he	onger available to the Permittee
agricultural sites identified a inspections on the land iden purpose of determining com	above and in Exhibit A. T ntified above, before, duri npliance with regulatory re er treatment residuals	mittee to land apply residuals he Landowner also grants peng or after land application of equirements applicable to such a processing waste 图 Yes □ No	ermission for DEQ staff to conduct for the
KATE Gregor Landowner - Printed Name, Title	Signature	Fragon - 88	81 Hobbs Mill Rd Mailing Address & Phone Number
Permittee:			Wilsons, Va 23894
Recyc Systems, Inc., the I manner authorized by the VPA	Permit Regulation and in a	oiosolids and/or industrial residual mounts not to exceed the rates it ertified in accordance with §10.1	als on the Landowner's land in the dentified in the nutrient management -104.2 of the Code of Virginia.
The Permittee agrees to notify specifically prior to any particul	the Landowner or the Landov ar application to the Landov	owner's designee of the propose vner's land. Notice shall include	d schedule for land application and the source of residuals to be applied.
☐ I reviewed the document(s)	assigning signatory authority		wner above. I will make a copy of this
Q.		PO Roy 562 F	Remington, Virginia 22734
Permittee - Authorized Represen	ntative Signature		Mailing Address

Rev 9/14/2012

Printed Name

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

Darmi	ttee.	Recyc	Systems, Inc	County or City: DINWIDDIE
Lando	wner:	KATE	GREGGRY	
			nagement Require	ements:
			t - DEO Biogolio	ds Fact Sheet that includes information regarding regulations governing the land lids and proper handling and land application of biosolids.
I have identific	also bed ed belov	en expressly w must be consible for t	y advised by the Permil omplied with after bios ne implementation of th	ttee that the site management requirements and site access restrictions olids have been applied on my property in order to protect public health, and nese practices.
hiosolic	ds at the	e site:		ent practices at each site under my ownership following the land application of
	Notifica biosolid comple	is land appl	will not remove any s cation site, unless requ	igns posted by the Permittee for the purpose of identifying my field as a uested by the Permittee, until at least 30 days after land application at that site is
2.		Public acc any applic Public acc applicatio same per Turf grow when the	eation of biosolids. Sess to land with a low n of biosolids. No biosolod of time unless adeq	potential for public exposure shall be restricted for at least one year following potential for public exposure shall be restricted for at least 30 days following any olids amended soil shall be excavated or removed from the site during this quate provisions are made to prevent public exposure to soil, dusts or aerosols; ids are applied shall not be harvested for one year after application of biosolids d on either land with a high potential for public exposure or a lawn, unless
3.	a.	estrictions: Food crop not be ha Food crop applicatio months p Food crop biosolids	os with harvested parts rvested for 14 months as with harvested parts n of biosolids when the rior to incorporation into swith harvested parts remain on the land surd crops and fiber crops as shall not be harvested.	that touch the biosolids/soil mixture and are totally above the land surface shall after the application of biosolids. It below the surface of the land shall not be harvested for 20 months after the elebiosolids remain on the land surface for a time period of four (4) or more to the soil, is below the surface of the land shall not be harvested for 38 months when the face for a time period of less than four (4) months prior to incorporation. It is shall not be harvested for 30 days after the application of biosolids; and for 30 days after the application of biosolids; and for 30 days after the application of biosolids.
4.	Livesto Fo a. b. c.	ollowing bios Meat pro-	dairy animals shall not	sture or hayland sites: not be grazed for 30 days. t be grazed for a minimum of 60 days. d from grazing for 30 days;
5.	applica develo	emental con ations such ped by a pe	nmercial fertilizer or ma that the total crop need rson certified in accord	nure applications will be coordinated with the biosolids and industrial residuals distributed for nutrients are not exceeded as identified in the nutrient management plandance with §10.1-104.2 of the Code of Virginia;
6.	vears	following the	e it has been shown to a e application of biosolid kilograms/hectare).	accumulate cadmium, should not be grown on the Landowner's land for three ds or industrial residuals which bear cadmium equal to or exceeding 0.45
	4	ates ?	higon	Nov 4 2017
 L	Lando	Wner's Sign	ature ()	8881 1066 Milled.
	Farm	Operator Sign	Llou gnature	
		,		204-731-4325

Landowner Coordination Form

Permittee: RECYC SYSTEMS, INC.

Rev 9/14/2012

This form is used by the Permittee to identify properties (tax parcels) that are authorized to receive biosolids and/or industrial residuals, and each of the legal landowners of those tax parcels. A Land Application Agreement-Biosolids and Industrial Residuals from original signature must be attached for each legal landowner identified below prior to land application at the identified parcels.

Site Name: CHARLES E. GREGORY

Page 1 of 1

ease Print	Signature not required on this page
Tax Parcel ID(s)	<u>Landowners (s)</u>
TM25-4, P12,13,14	Charles E. & Kate B. Gregory

FARM DATA SHEET

SITIE NAME:	Charles E. Gregory	COMINITAL	Dinwiddie
OWNER	Charles E. & Kat@B. Gregory	OPERATOR R	Charles E. Gregory
OWNERS	8881 Hobbs Mill Road	OPERATOR'S	8881 Hobbs Mill Road
ADDRESSS	Wilsons, VA 23894	ADDRESS	Wilsons, VA 23894
OWNER'S TELEPHONIE	804-731-4327	OPERATOR'S TELEPHOOME	804-731 -4327
GENERAA FARM Type:	Hay/Pasture	CELLLEPHODNEE	
# CANTILLEE	40	EMAIL:	
LAGOON or SLURRYY	None	LAMMUDE	37°09′03″
TOPO QUAD:	Hebron	LONGITUDE	77 ⁸ 50′ 40 ″
COMMENTS			
			•

RECYC SYSTEMS, INC FIELD DATA SHEET

Field	Gross	Envi	ronmentally Se		Tax	FSA		
Identification	Acres	Water Table	Bed Rock/Shallow	Surf/Leach	Freq Flood	Hydro Map	Map#	Tract#
DWCEG 1	13.1	-	-	-	-	JA37	TM25-4,P12,13	T5644B Field 0
DWCEG 2	11.7	-	-	-	-	JA37	TM25-4,P14	T5644 Fields 6,8
DWCEG 3	5.2	-	-	-	-	JA37	TM25-4,P14	T5644 Fields 4,17
DWCEG 4	8.8	-	-	-	-	JA37	TM25-4,P14	T5644 Field 5
DWCEG 5	15.5	-	-	-	-	JA37	TM25-4,P14	T5644 Fields 20,23
DWCEG 6	21.3	-	-	-	-	JA37	TM25-4,P14	T5644 Fields 1,2,3,15
DWCEG 7	12.9	-	-	-	-	JA37	TM25-4,P14	T5644 Field 16
TOTAL ACRES IN SITE	88.5							

Page 1 of 4

Report Number: 12-310-0659

Account Number: 70594

Rat e



A&L Eastern Laboratories

7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401 Fax (804) 271-6446

Send To: RECYC SYSTEMS INC.

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3.1

M 10

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SUSAN TRUMBO 8455 WHITESHOP RD **CULPEPER VA 22701**

Grower:

Submitted By: J.B. CRENSHAW

6.89

0.4

6.2

Farm ID:

GREGORY DINWIDDIE

SOIL ANALYSIS REPORT

Analytical Method(s):

Mehlich 3

Date Received: 11/05/2012

Date Of Analysis: 11/06/2012

Date Of Report: 11/07/2012

Organic Matter **Phosphorus** Potassium Magnesium Calcium Sodium На Acidity C.E.C Sample ID Lab н **ENR** Mehlich 3 Ca Na Buffer Rate Ops/A Reserve Mg Soil Field ID Number Index pН ppm Rat Rate ppm Rate Rate Rate ppm Rate ppm Rate meg/100g | meg/100g ppm ppm DWCEG 1 59 H Н 37 VL 88 Н 527 М 18043 1.7 L 7 78 6.2 6.88 0.5 3.9 DWCEG 2 H 78 М 126 H 415 М 33 M 18044 1.8 L 8 81 6.2 6.89 0.4 3.5 **DWCEG 3** L 110 М 99 H 696 М 28 L 18045 2.9 **M** 10 100 6.1 6.86 0.7 5.3 **DWCEG 4** Н 95 60 L н 564 М 91 H 18046 2.6 **M** 9 96 5.9 6.85 0.8 4.5 **DWCEG 5** Н 226 VH | 97 нΙ 328 **59** H

L																								<u> </u>
		Perce	nt Base	Saturati	on	Niti	rate	Su	lfur	Zii	nc	Mang	anese	Ire	on	Сор	per	Во	ron	Soluble	Salts	Chlo	oride	Aluminum
Sample ID Field ID	K %	Mg %	Ca %	Na %	H %	NC ppm	N Rate	ppm :	S Rate	Z ppm	n Rate	ppm	In Rate	Ppm	e Rate	Ppm		ppm	Rate	S: ms/cm		ppm	l Rate	Al ppm
DWCEG 1	2.4	18.8	67.6		12.3																			
DWCEG 2	9.2	18.6	59.3		12.0		-																	
DWCEG 3	5.3	15.6	65.7		13.8								-,- i											
DWCEG 4	3.4	17.6	62.7		17.3																			
DWCEG 5	17.0	23.8	48.2		12.3																			

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meg/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: A&L Eastern Laboratories, Inc.

by: Pauric Mc George

3.4

Page 2 of 4

Report Number: 12-310-0659 Account Number: 70594



A&L Eastern Laboratories

7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401 Fax (804) 271-6446

Send To: RECYC SYSTEMS INC

SUSAN TRUMBO 8455 WHITESHOP RD CULPEPER VA 22701 Grower: GREGORY

DINWIDDIE

Submitted By: J.B. CRENSHAW

Farm ID:

Date Received: 11/05/2012

Date Of Report: 11/07/2012

SOIL FERTILITY RECOMMENDATIONS

Sample ID Field ID	Intended Crop	Yield Goal	Lime Tons/A	Nitrogen N Ib/A	Phosphate P ₂ O ₅ Ib/A	Potash K ₂ O Ib/A	Magnesium Mg Ib/A	Sulfur S Ib/A	Zinc Zn Ib/A	Manganese Mn Ib/A	Iron Fe Ib/A	Copper Cu Ib/A	Boron B Ib/A
DWCEG 1	Adjust pH to 6.8	0	1.3				0						
DWCEG 2	Adjust pH to 6.8	0	1.3				2						
DWCEG 3	Adjust pH to 6.8	0	1.3				0						
DWCEG 4	Adjust pH to 6.8	0	1.5				0						
DWCEG 5	Adjust pH to 6.8	0	1.3				0						

Comments:

Sample(s): DWCEG 2 Crop: Adjust pH to 6.8

If dolomitic lime is not used, apply required magnesium with magnesium oxide. Epsom Salts, K-Mag or Sul-PO-Mag.

"The recommendations are based on research data and experience, but NO GUARANTEE or WARRANTY expressed or implied, concerning crop performance is made."

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Paurie Mc George

Pauric McGroary

Page 3 of 4

Report Number: 12-310-0659

Account Number: 70594



A&L Eastern Laboratories

7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401 Fax (804) 271-6446

Send To: RECYC SYSTEMS INC

SUSAN TRUMBO 8455 WHITESHOP RD CULPEPER VA 22701 Grower:

Submitted By: J.B. CRENSHAW

Farm ID:

GREGORY DINWIDDIE

SOIL ANALYSIS REPORT

Analytical Method(s):

Mehlich 3

Date Received: 11/05/2012

Date Of Analysis: 11/06/2012

Date Of Report: 11/07/2012

Acidity C.E.C Sodium рH **Organic Matter Phosphorus** Potassium Magnesium Calcium Sample ID Lab Buffer н Na **ENR** Mehlich 3 Mg Ca Soil Reserve Field ID Number Rate Ibs/A pН Index meq/100g meg/100g ppm Rate ppm Rate ppm Rate ppm Rate ppm Rate ppm Rate н М DWCEG 6 М 88 372 77 37 М 18048 81 5.9 6.87 0.6 3.4 L 8 DWCEG 7 H 48 H 235 L 114 19 5.6 6.87 0.6 2.4 18049 85 1.9 L 8

	Percent Base Saturation						Nitrate		Sulfur		Zinc		Manganese		Iron		Copper		ron	Soluble Salts		Chloride		Aluminum
Sample ID Field ID	K %	Mg %	Ca %	Na %	H %	NO ppm	N Rate	ppm	S Rate	Zı ppm		N ppm	In Rate	· ·	Fe Rate	C ppm		ppm	3 Rate	SS ms/cm		1	CI Rate	Al ppm
DWCEG 6	5.8	21.6	54.7		17.0																			
DWCEG 7	12.2	16.7	49.0		23.7										•									

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: A&L Eastern Laboratories, Inc.

by: Pauric Mc George

Pauric McGroary

Page 4 of 4

Report Number: 12-310-0659

Account Number: 70594



A&L Eastern Laboratories

7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401 Fax (804) 271-6446

Send To: RECYC SYSTEMS INC

SUSAN TRUMBO 8455 WHITESHOP RD Grower:

Submitted By: J.B. CRENSHAW

Farm ID:

CULPEPER VA 22701

Date Received: 11/05/2012

Date Of Report: 11/07/2012

SOIL FERTILITY RECOMMENDATIONS

Sample ID Field ID	Intended Crop	Yield Goal	Lime Tons/A	Nitrogen N Ib/A	Phosphate P ₂ O ₅ Ib/A	Potash K ₂ O Ib/A	Magnesium Mg lb/A	Sulfur S Ib/A	Zinc Zn lb/A	Manganese Mn Ib/A	iron Fe Ib/A	Copper Cu Ib/A	Boron B Ib/A
DWCEG 6	Adjust pH to 6.8	0	1.5				0						
DWCEG 7	Adjust pH to 6.8	0	1.8				32						

GREGORY

DINWIDDIE

Comments:

Sample(s): DWCEG 7 Crop: Adjust pH to 6.8

If dolomitic lime is not used, apply required magnesium with magnesium oxide. Epsom Salts, K-Mag or Sul-PO-Mag.

"The recommendations are based on research data and experience, but NO GUARANTEE or WARRANTY expressed or implied, concerning crop performance is made."

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Pauric Mc George

Pauric McGroary

THE PLANNER IS NOT STATE CERTIFIED

Nutrient Management Plan Balance Sheet (Spring, 2013-Summer, 2014) Charles E. Gregory Planner: Recyc Systems, Inc.

Tract: 5644 Location: Dinwiddie

(N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

Field CFSA No. /Name	Size (ac) Totall/ Used	Yr.	Grop	Needs N-P-K (Ibs/ac)	Leg /Man Resid	Manure/Biostd Rate & Type (season)	(d)	Man/Bios N-P-K (lbs/ac)	Net = Needs - appld N-P-K (lbs/ac)	Sum P rem cred	Commential N-P-K (Ibs//ac)	Notes
0/DWCEG 1(N)	13/13	2013	Fescue grass hay mt.	70-40-130	0/0				70-40-130	N/A		
6,8/DWCEG 2(N)	12/12	2013	Grass Pasture	50-80-0	0/0				50-80-0	N/A		
4,17/DWCEG 3(N)	5/5	2013	Fescue grass hay mt.	90-90-160	0/0				90-90-160	N/A		
5/DWCEG 4(N)	9/9	2013	Fescue grass hay mt.	90-50-185	0/0				90-50-185	N/A		
20,23/DWCEG 5(N)	16/16	2013	Fescue grass hay mt.	70-40-0	0/0	,			70-40-0	N/A		
1,2,3,15/DWCEG 6(N)	21/21	2013	Grass Pasture	50-80-80	0/0				50-80-80	N/A		
16/DWCEG 7(N)	13/13	2013	Fescue grass hay mt.	70-70-85	0/0				70-70-85	N/A		

Commercial Application Methods:

br - Broadcast ba - Banded sd - Sidedress

Notes:

Soil Test Summary

Tract	Field	Acre	Date	P205	K20	Lab	Soil pH	Lime Date	rec. limme toms//Ac
5644	DWCEG 1	13	2012-Fa	H- (59 P ppm)	L (37 K pppm)	A&L Mill	6.2		
5644	DWCEG 2	12	2012-Fa	M (33 P pppm)	H-(126 K ppm)	A&L Milli	6.2		
5644	DWCEG 3	5	2012-Fa	M- (28 P ppm)	M+((11110 Kpppm))	A&L Mill	6.1		
5644	DWCEG 4	9	2012-Fa	H (91 P poprm)	M- (60 K ppm)	A&L Mill	5.9		
5644	DWCEG 5	16	2012-Fa	H- (59 P ppm)	VH (226 K ppm)	A&L Mi∥I	6.2		
5644	DWCEG 6	21	2012-Fa	M ((3377PP) papam)	M (77 K pppm)	A&L Mill	5.9		
5644	DWCEG 7	13	2012-Fa	L+ (19 P ppm)	M+ ((1114 Kpppm)	A&L Mi⊪	5.6		

Field Productivities sofor Major Crops

Tract Name	Tract/ Field	Field Name	Acres	Predominant Soil Series	Corn	Small Grain	Alfalfa	Grass Hay	Environmeentaal Warmings
5644	5644/0	DWCEG 1	13	Appling	IV a	- 11	111	III	
	5644/6,8	DWCEG 2	12	Cecil	IV a	II	III	11	
	5644/4,17	DWCEG 3*	5	Cecil	IV a	H	111	II	High Slope
	5644/5	DWCEG 4	9	Cecil	IV a	11	111	II	•
	5644/20,2	DWCEG 5	16	Appling	IVa	11	111	III	
	5644/1,2, 3,1	DWCEG 6	21	Cecil	IV a	II	111	II	
	5644/16	DWCEG 7	13	Appling	IVa	II	111	m	

^{*} Do not apply manure or biosolids more than 30 days prior to planting. Apply commercial fertilizer nitrogen to row crops in split spring applicaions.

Yield Range

Field Productivity Group	Corn Grain Bu/Acre	Barley/lintenssive Wheat Bu//Accre	Std. Wilheat Bu/Acre	Alfalfa Tons//Acre	Grass//Hay Tons//Accre
1	≥17 0	>8 0	> 64	≽ 6	≽4.0
11	150-17 0	70 -80	56-64	4-6	3.5-4.0
III	130-15 0	60-70	48-56	<4	3.0-3. 5
IV	100-130	50-60	40-48	NA	≼3.0
V	<100	≤5 0	≪ 40	NA	NA

Farm Summary Report

Plan: New Plan Spring, 2013 - Summer, 2014

Farm Name: Charles E. Gregory

Location: Dinwiddie

Specialist: Recyc Systems, Inc.

N-based Acres: 88.5 P-based Acres: 0.0

Tract Name: 5644 FSA Number: 5644

Location: Dinwiddie

Field Name: DWCEG 1

Total Acres: 13.10 Usable Acres: 13.10

FSA Number: 0 Tract: 5644

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE PH P K Lab

Fa-2012 6.2 H-(59 P ppm) L(37 K ppm) A&L MIII

Soils:

PERCENT SYMBOL SOIL SERIES

54 2B Appling 46 2C Appling

Field Warnings:

Crop Rotation:

PLANTED YIELD CROP NAME

2013-Sp 2.5 tons Fescue grass (hay), maint. - No Till

Field Name: DWCEG 2

Total Acres: 11.70 Usable Acres: 11.70

FSA Number: 6,8 Tract: 5644

Location: Dinwiddie

Slope Class: C Hydrologic Group: B

Riparian buffer width: 0 ft Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE PH P K Lab

Fa-2012 6.2 M(33 P ppm) H-(126 K ppm) A&L MIII

Soils:

PERCENT SYMBOL SOIL SERIES

2 2 2B AppliAppling
 37 4 4B Ceci Cecll
 61 4 4C Ceci Cecll

Field Warnings:

Crop Rotation:

PLANTED YIELD CROP NAME

2013-Sp 1.3 acres/AU Orchard grass/fescue pastures<=25% legume, maint. - No Till

Field Name: DWCEG 3

Total Acres: 5.20 Usable Acres: 5.20

FSA Number: 4,17 Tract: 5644

Location: Dinwiddie

Slope Class: C Hydrologic Group: B

Riparian buffer width: 0 ft Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE PH P K Lab

Fa-2012 6.1 M-(28 P ppm) M+(110 K ppm) A&L MIII

Soils:

PERCENT SYMBOL SOIL SERIES
42 4B Cecil
3 4C Cecil

55 4D Cecil

Field Warnings:

Environmentally Sensitive Soils due to:

Soils with perent slope in excess of 15%

Crop Rotation:

PLANTED YIELD CROP NAME

2013-Sp 3.3 * tons Fescue grass (hay), maint. - No Till

Field Name: DWCEG 4

Total Acres: 8.80 Usable Acres: 8.80

FSA Number: 5 Tract: 5644

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE PH P K Lab

Fa-2012 5.9 H(91 P ppm) M-(60 K ppm) A&L MIII

Soils:

PERCENT SYMBOL SOIL SERIES

3 2B Appling 22 2C Appling 75 4B Cecil

Field Warnings:

Crop Rotation:

PLANTED YIELD CROP NAME

2013-Sp 3.3 * tons Fescue grass (hay), maint. - No Till

Field Name: DWCEG 5

Total Acres: 15.50 Usable Acres: 15.50

FSA Number: 20,23 Tract: 5644

Location:

Dinwiddie

Slope Class:

Hydrologic Group:

Riparian buffer width: 0 ft Distance to stream: 0 ft

С

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE PH P K Lab

В

Fa-2012 6.2 H-(59 P ppm) VH(226 K ppm) A&L MIII

Soils:

PERCENT SYMBOL SOIL SERIES

69 2C Appling 31 4B Cecil

Field Warnings:

Crop Rotation:

PLANTED YIELD CROP NAME

2013-Sp 2.8 * tons Fescue grass (hay), maint. - No Till

Field Name: DWCEG 6

Total Acres: 21.30 Usable Acres: 21.30

FSA Number: 1,2,3,15 Tract: 5644

Location: Dinwiddie

Slope Class: C Hydrologic Group: B

Riparian buffer width: 0 ft Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE PH P K Lab Fa-2012 5.9 M(37 P ppm) M(77 K ppm) A&L MIII

Soils:

PERCENT SYMBOL SOIL SERIES
45 4B Cecil
43 4C Cecil
12 4D Cecil

Field Warnings:

Crop Rotation:

PLANTED YIELD CROP NAME

2013-Sp 1.3 * acres/AU Orchard grass/fescue pastures<=25% legume, maint. - No Till

Field Name: DWCEG 7

Total Acres: 12.90 Usable Acres: 12.90

FSA Number: 16 Tract: 5644

Location: Dinwiddie

Slope Class: C Hydrologic Group: B

Riparian buffer width: 0 ft Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

Р K M+(114 K ppm) DATE PΗ Lab

Fa-2012 5.6 L+(19 P ppm) A&L MIII

Soils:

PERCENT SYMBOL **SOIL SERIES**

58 2C **Appling** 42 4B Cecil

Field Warnings:

Crop Rotation:

PLANTED YIELD **CROP NAME**

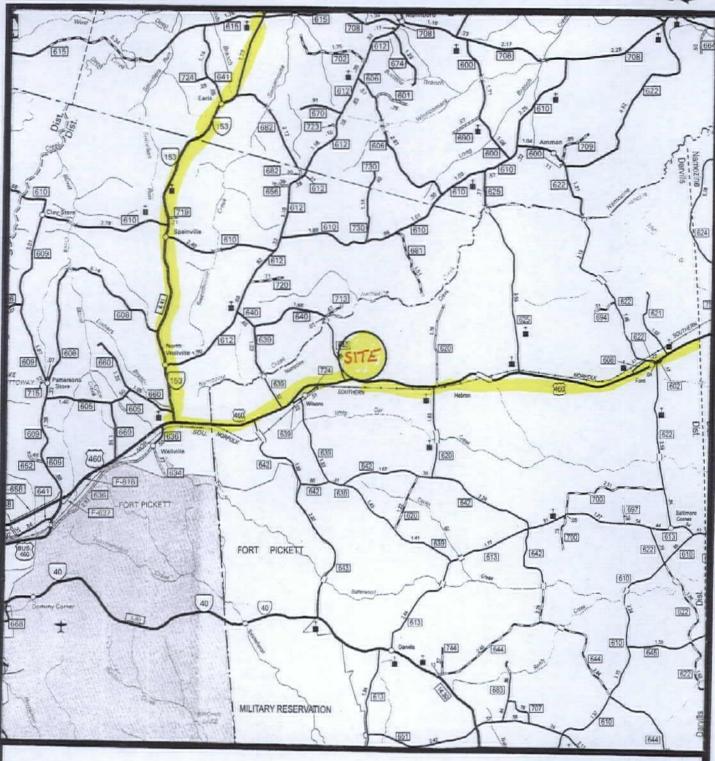
2013-Sp 2.9 * tons Fescue grass (hay), maint. - No Till

MAPS

Recyc Systems...

(Biosolids Land Application)





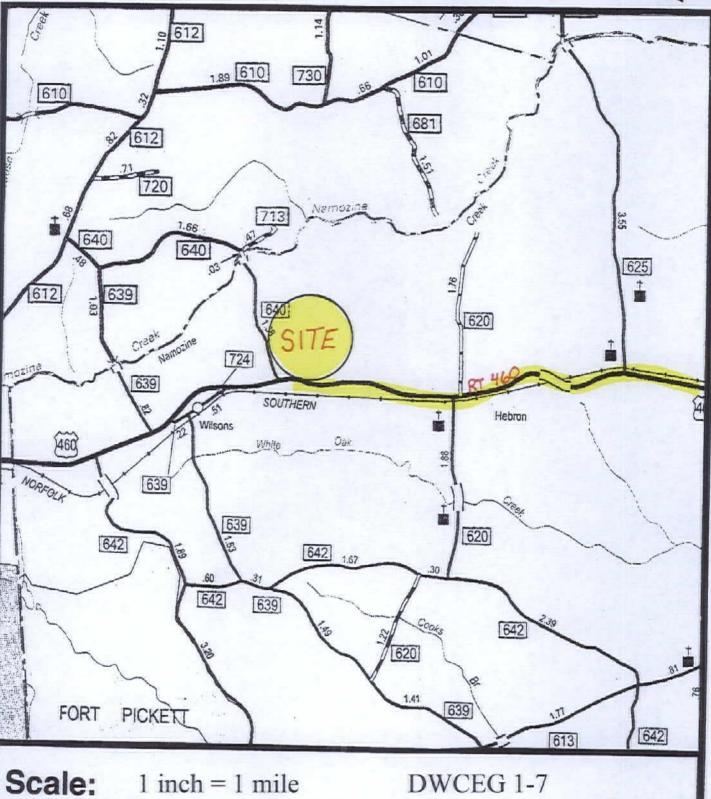
Scale: 1 inch = 2 miles

DWCEG 1-7

Recyc Systems...

(Biosolids Land Application)





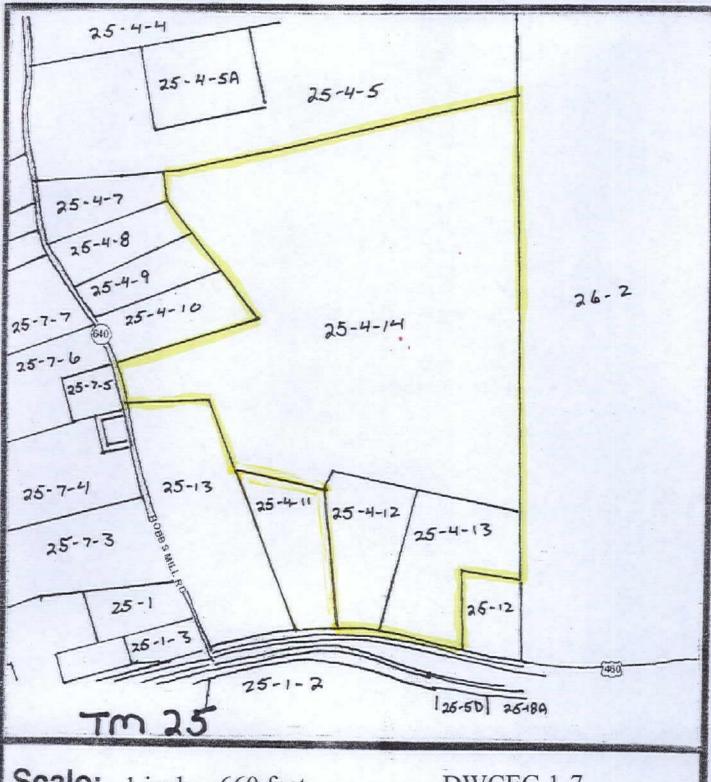
VICINITY MAP

N

Recyc Systems Inc.

(Biosolids Land Application)





Scale: 1 inch = 660 feet

DWCEG 1-7

ADJOINING LANDOWNERS

Charles E. Gregory

DINWIDDIE COUNTY

Tax Map	Parcel #	Owner Name(s)
25	12	Gaynor C.& Geneva A. Shepherd
	13	Richard N. & Jo Diane Lippard Galbreath
25-1	2	Floyd A., Jr. & Rebecca P. Hudson
25-4	5	Jeanne H. Branch
	7 8	Jeanne H. Branch
	8	Jeanne H. Branch
	9	Robert D. & Willadean C. Harrison
	10	Robert D. & Willadean C. Harrison
	11	Joyce Nelms
25-5	D	Floyd A., Jr. & Rebecca P. Hudson
25-7	5	Bruce L. Clark
	6	Xuan or Carol Nguyen
26	2	Hobbs-Lewis LLC
	La la Carlo	

Recyc Systems.

(Biosolids Land Application)





Scale: 1 inch = 660 feet

DWCEG 1

SOIL MAP

N

Recyc Systems...

(Biosolids Land Application)





Scale: 1 inch = 660 feet

DWCEG 2-7

SOIL MAP

Recyc Systems Inc.

(Biosolids Land Application)





T5644B

Scale: 1 inch = 660 feet

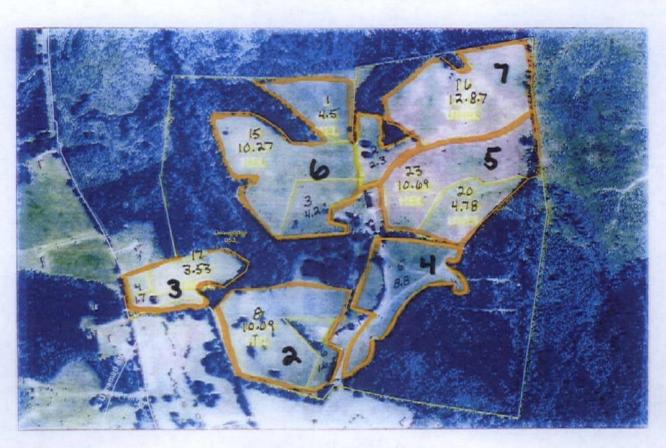
DWCEG 1

AERIAL MAP

Recyc Systems.

(Biosolids Land Application)





T5644

Scale: 1 inch = 660 feet

DWCEG 2-7

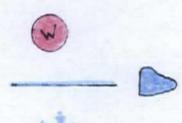
AERIAL MAP



Legend for Site Plan



House and Well/Public Building



Well/Spring

Perennial Streams & Surface

Wet Spot

Intermittent Stream/Drainage

Trees and Woods

Private Drive

Rock/Rocky Area

Sinkhole

Severely Eroded Spot

State Road

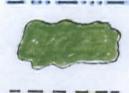
Field Boundary

Fence

Property Line

Slope .

Frequent Flooding

















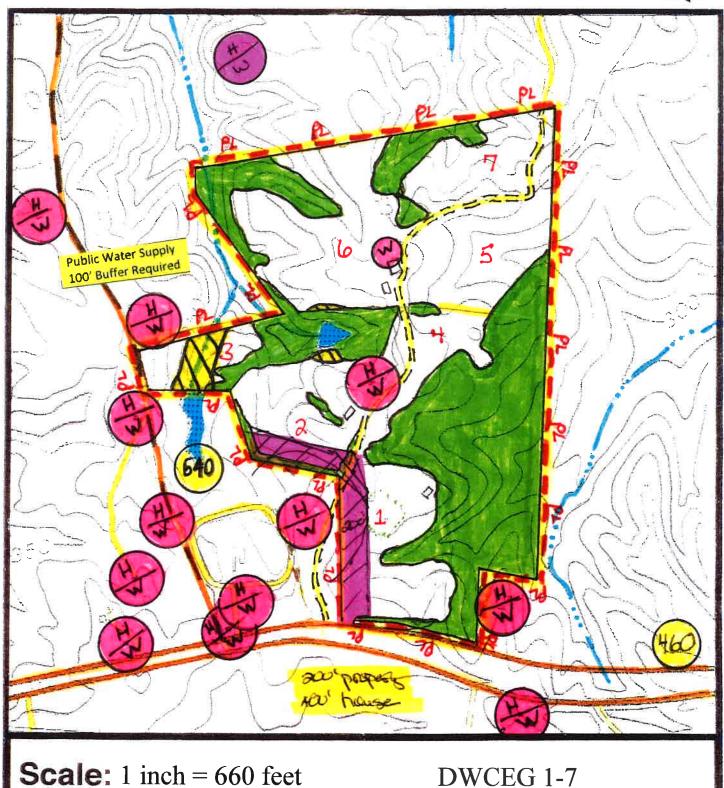


Recyc Systems.

*Updated 3-3-21 *



(Biosolids Land Application)



Scale: 1 inch = 660 feet

Recyc Systems...

(Biosolids Land Application)





Scale: 1 inch = 2,000 feet

DWCEG 1-7

TOPOGRAPHIC MAP

N